



## **OFFICE OF THE STATE FIRE MARSHAL THE L OCCUPANCY TASK FORCE**

Tuesday August 22, 2017  
1:00 P.M. – 4:00 P.M.

Office of the State Fire Marshal  
1131 S Street, Sacramento, CA 95811

### **MEETING MINUTES**

#### **Attendees:**

Greg Andersen  
Crystal Sujeski  
Caryn Petty  
Reinhard Hanselka (phone)  
Ellen Ackerman (phone)  
Gloria Magliari  
Dale Saunders  
Dana Johnson  
Gale Bate  
Christine Reed (phone)  
Harry Lee (phone)  
Jeff Tarter  
Erel Betser

Christina DaSilva (phone)  
Susan Eschweiler (phone)  
Jim Patterson  
Kevin Reinertson (phone)  
James Gibson (phone)  
Patrick Daley (phone)  
Steve Rusconi (phone)  
Steven Huang (phone)  
Marty Cooper (phone)  
Aaron McCarthy (phone)  
Martin Gickhorm (phone)  
Kevin Norman  
Spencer Meyer

(Apologies if others may have joined on Skype or on the conference line that were missed in the attendees list)

#### **I. Review the minutes**

All received and offered amendments and corrections.  
Request for re-distribution of last meeting's minutes.

#### **II. Identifying Current Issues with the Regulations**

Code sections as identified by DC Andersen.  
Group opts for chapter-by-chapter review  
Question: language regarding suites throughout Code. Definition of "suite."  
Interchangeability amongst occupancies – L, I-3.  
Proposed addition of discernable definition in Chapter 2.

#### **Chapter 2**

1. Definition of "Laboratory Suites."

*LABORATORY. [SFM] A room, building or area where the use and storage of hazardous materials are utilized for testing, analysis, instruction, research or developmental activities.*

*LABORATORY SUITE. [SFM] A laboratory suite is a space within a building or structure, classified as a group L occupancy which may include multiple laboratories, offices, storage, equipment rooms or similar support functions, where the aggregate quantities of hazardous materials stored and used do not exceed the quantities set forth in Table 453.7.3 .1.*

- Space within a building or structures classified as a Group L occupancy.
  - Used exclusively in L occupancies.
  - Discussion regarding mixed occupancies, allowances, separation, area limitations. Ex L within a B.
  - Discussion regarding L being built within other occupancies.
2. Cross definitions within chapter to Chapter 2

### **Chapter 3**

1. 302.1 – #7 and #10 "Research Laboratory." Revise language.
2. 313 – discussion regarding clarity of language. Potential subgroup.
3. 307 Footnotes with mention to L occ. There may be issues, review.
  - d. *[SFM] other than Group L occupancies*, maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. Where Note e also applies, the increase for both notes shall be applied accumulatively,
- Item d. on Table 307.1(1) and 307.1(2) addresses MAQ
- Bonuses with storage cabinets? Yes, e (applies to L)
4. 313 – expand upon language.
5. 316 – Group L language.

Question: where do we control what goes on below grade-plane?

Current code allows for H below grade-plane, consider L.

Table 453.7.1 covers L occupancy.

### **Chapter 4**

1. 414.1.1
2. 453
3. 453.9 – CFC Chapter 11/CEBC

### **Chapter 5**

1. Table 504.4 – L mentioned, values similar to H.
2. Table 504.4.3 – L mentioned, grouped with H.
3. Table 506.2 – L area line in need of clarity. Strikeouts prn. Remove "NS." Clean-up.
4. 506.4 – L mentioned.
5. 507 – L in unlimited area buildings, may limit the number of lab suites.
6. 508.2.4 – mentioned. No issues noted.
7. 508.3.3 – mentioned. No issues noted with separation.
8. Table 508.4 – empty boxes, editorial to provide "-"

Question: L in an unlimited area building?

453 may limit area. L is limited but building is unlimited.

Limit number of L allowable in building.

Discussion about stories, egress, FD access.

Question: podium-type structures?

3-hour slab. If open parking, is already vented.

Based on construction type and height.

### **Chapter 6**

1. Table 601 – mention. No issues noted.
2. Table 602 – mentioned. No issues noted.

## **Chapter 7**

1. 705.5 – mentioned. All SFM regulations. No other issues noted.
2. Table 706.4 – mentioned. Grouped to H. No issues noted.
3. Table 707.3.10 – mentioned. Grouped to H. No issues noted.
4. 708 – mentioned. No issues noted.
5. 710.8 – mentioned. SFM language. (sub group topic)
  - Discussion regarding 453 and dampers allowable in L.
  - Dampers required when entering suite if not fume hood.
  - Smoke control meets requirement.
  - Need to clarify where dampers are/are not required.
  - Consider fume hoods, HVAC.
  - Designers have difficulty with this.
  - Provide for reference to restrictive section.
  - Conflict put a reference in (sub group for HVAC)
6. 712 – vertical openings.
  - Added language to regulate vertical openings in L.
  - Currently not addressed.
  - 712.2.9 referral. Allows for two-story.
7. 717 – transfer openings.
  - Currently not addressed.
8. 717.5.2 – fire barriers. SFM language.
9. 718.3.3 – draft stops. SFM language.
10. 718.4.3 – SFM language.

## **Chapter 8**

1. Table 803.11 – interior finish. Grouped with H.
  - Right (3) columns and requirement for sprinklers.
  - Question: Add language for washable surfaces?
  - Question: clarify type of finish...decorative or utility?

## **Chapter 9**

- Question: 903.2.5.4 – same statement re: 10<sup>th</sup> story for H and L?  
Add to Chapter 4?  
Research to find correlation and relevance to H occupancies
1. 903.2.16 – change sprinkler density to .19/3000.
    - “Research laboratory” language.
  2. 907.2.28 – manual fire alarm throughout. (sub group topic)
    - Discussion re: notification system and pull stations.
    - Evac alarm would overrule this section?
    - Vivarium, limit lights and strobes as they effect studies, etc.
  3. 907.6.4 – Zones. Language needs some attention.

## **Chapter 10**

1. Table 1004.1.2 – Laboratory suites.
  - Definitions don’t correlate well. Terms used that are not defined.
  - Educational versus university. Clarification for educational.
2. Table 1006.2.1 – references 435.6.1. No issues.
3. Table 1006.3.2(2) – no L on Table.
  - Question: BL lab, interlock issues. Must have override.
4. 1010.1.2 – Direction of swing. Door swing in direction of egress.
5. 1010.1.9.7 – Delayed egress. Mentioned. No issues.
6. 1010.1.1.9.8 – doesn’t ref L, should it?
  - Add language for L occupancies
7. 1010.1.9.9 – locked egress.
8. 1010.1.10 – panic hardware.

9. Table 1017 – Travel distance. Mentioned. No issues.
10. 1019 – exit access stairs and ramps, L not addressed.
11. 1020 – corridors and compartmentalization.
12. Table 1020.1 – mentioned. No issues noted.
13. 1025 – luminous stair, exit path. L not addressed.

Question: when was last H8 code? 2001. L occupancy introduced 2007.

### **Chapter 30**

1. Consider elevators.
2. Transportation of hazardous materials in L occ.
3. Service elevators dedicated.

### **Other**

Existing Building Code – Section 316

Back-up elevator power serving L.

403, definition of “high-rise”

Separate chemical elevator required?

MAQ Tables address this

Fire, Plumbing, and Mechanical reference to L occ

Existing Group L review.

Re-work throughout. Language correlation.

## **III. Review the issues**

1. Clean-up
2. Code proposals

## **IV. Create subgroups**

1. Architectural, CBC 2-6, 8, and 10  
Chair: **Dana, Dale**
2. MEP CBC 7, 9, 27 and 30; CFC 9; CMC, CPC, CEC  
Chair: **Reinhart**

\*Send email direct to **DC Andersen** with wishes to join subgroups.

Note: if you would like your information confidential, advise Andersen.

## **V. Future Meetings**

Tentatively scheduled for **Thursday, October 26, 1300-1600, at UC Irvine.**

Details to follow.